

EH&S Confined Space Entry Equipment

Below is a list of EH&S equipment that may be check out by Campus Departments for confined space entry. Departments are responsible for ensuring its proper use and returning the equipment in the same condition it was received. EH&S will bill departments for any equipment lost or damaged during use. The equipment below may be checked out by contacting the Confined Space Program Manager using the information at the bottom of the page.

Air Monitoring Equipment *(Documented training must be completed prior to use)*

(3) Four-Gas Meters (Industrial Scientific M40)

Description

Intrinsically safe 4-gas meter measures three gases (oxygen, carbon monoxide, hydrogen sulfide) and %LEL of combustibles.

Limitation

Cannot detect low concentrations of organic gases. LEL readings based on pentane (C₅H₁₂) calibration.

(1) Combustible Gas Leak Detectors (Gas-Trac NGX-6)

Description

Intrinsically safe for most combustible atmospheres. It has three LEDs (not calibrated, see limitations below) and an audible tick response. Primarily used for locating source of natural gas leaks and combustion products.

Limitations

Instrument is non-specific and probably not sensitive enough for many odor complaints. It has audio and visual indicator for natural gas concentrations above 100ppm. Instrument is not calibrated for LED response and should not be used in situations where atmosphere could exceed 10% LEL.

Ventilation Equipment

(2) Blowers w/ Ducting (Allegro 9533 Compaxial)

Description

Free air ventilation rate of 960 cubic feet per meter (CFM), one 90 degree bend: 720 CFM, two 90 degree bends: 650 CFM. Comes with fifteen feet of ducting, eight inch duct diameter.

Limitations

Does not completely remove contaminants, cannot be used for highly toxic chemicals. Ineffective for dusts, metal fumes and large amounts of gases or vapors. Ineffective for handling surges of gases or vapors or irregular emissions.

Fall Protection *(Documented training must be completed prior to use)*

(1) Adjustable tripod (7 foot max height) with full body harness and 50 foot retractable cable

Description

Self-retracting lifeline, capable of raising and lowering for rescue or retrieval. If a worker slips or falls, the unit locks up, arresting the fall. The system can then be activated into winch mode, raising or lowering the worker to safety. Also has a friction brake that prevents the crank handle from free-wheeling while under a load.

Manhole Guarding Equipment

(1) Manhole shield (32" diameter)



(1) Collapsible Manhole guardrail (42"x33"x33")

